

## Safety data for zinc oxide



### Glossary of terms on this data sheet

The information on this web page is provided to help you to work safely, but it is intended to be an overview of hazards, not a replacement for a full Material Safety Data Sheet (MSDS). MSDS forms can be downloaded from the web sites of many chemical suppliers.

## General

Synonyms: calamine (were you looking for "Calamine" as in "Calamine lotion", not zinc oxide? If so, [click here](#)), zinc white, flowers of zinc  
Molecular formula: ZnO  
CAS No: 1314-13-2  
EC No:

## Physical data

Appearance: white powder  
Melting point: 1975 C  
Boiling point:  
Vapour density:  
Vapour pressure: negligible  
Density (g cm<sup>-3</sup>): 5.67  
Flash point:

Explosion limits:  
Autoignition temperature:  
Water solubility: negligible

## Stability

Stable. Incompatible with magnesium, strong acids.

## Toxicology

Harmful if inhaled. Respiratory and eye irritant.

### Toxicity data

(The meaning of any abbreviations which appear in this section is given here.)

ORL-RAT LD50 630 mg kg<sup>-1</sup>

### Risk phrases

(The meaning of any risk phrases which appear in this section is given here.)

R20 R36 R37

## Transport information

Non-hazardous for air, sea and road freight.

## Personal protection

Avoid breathing dust.

### Safety phrases

(The meaning of any safety phrases which appear in this section is given here.)

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